

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L16	338	(US-20090191069-\$ or US-20090136367-\$ or US-20080240943-\$ or US-20070212235-\$ or US-20060228232-\$ or US-20060222524-\$ or US-20060104830-\$). did. or (US-7726954-\$ or US-7704054-\$ or US-7670400-\$ or US- 7614855-\$ or US- 7572112-\$ or US- 7460977-\$ or US- 7452193-\$ or US- 7448857-\$ or US- RE40539-\$ or US- 7338400-\$ or US- 7322805-\$ or US- 7082763-\$ or US- 7077627-\$ or US- 7066720-\$ or US- 7063512-\$ or US- 6652249-\$ or US- 6616423-\$ or US- 6616420-\$ or US- 6595761-\$ or US- 6520750-\$ or US- 6511301-\$ or US- 6464590-\$ or US- 6450783-\$ or US- 6450782-\$ or US- 6390789-\$ or US- 6325602-\$).did. or (US- 6322331-\$ or US- 6293770-\$ or US- 6276895-\$ or US- 6241492-\$ or US- 6240963-\$ or US- 6176690-\$ or US- 6146111-\$ or US- 6141995-\$ or US- 5975862-\$ or US- 5961285-\$ or US- 5911563-\$ or US- 5906479-\$ or US- 5823261-\$ or US- 5762480-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/23 00:06

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L17	340	((417/359) or (417/361)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/23 00:06
L18	2	L17 not l16	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/23 00:06
L30	253	(US-20090260388-\$ or US-20090208352-\$ or US-20090035159-\$ or US-20090016907-\$ or US-20090004032-\$ or US-20080124230-\$ or US-20080095610-\$ or US-20080080988-\$ or US-20070297923-\$ or US-20070177995-\$ or US-20070166175-\$ or US-20070052310-\$ or US-20060013706-\$ or US-20050281685-\$ or US-20050232794-\$ or US-20050226737-\$ or US-20050163641-\$ or US-20050142003-\$ or US-20050074343-\$ or US-20040005228-\$ or US-20030219347-\$ or US-20030161740-\$ or US-20030035737-\$ or US-20030026714-\$ or US-20020164256-\$ or US-20020146332-\$). did. or (US- 20020114713-\$ or US- 20020098094-\$ or US- 20020076337-\$ or US- 20020028147-\$).did. or (US-7708534-\$ or US-7566208-\$ or US- 7370697-\$ or US- 7229258-\$ or US- 7112036-\$ or US- 7104766-\$ or US- 7082763-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/23 00:07

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S3	21	418/192	US-PGPUB; USPAT	OR	OFF	2009/12/14 12:02
S5	63	(418/192).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/14 12:20
S6	117	(418/193).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/14 12:24
S11	4	("4154489" or "4405286" or "5514924" or "4638643").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/14 12:49
S12	5	("4119392" or "4964790" or "5411388" or "5904473" or "6257839").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/14 12:55
S13	1	de-2531414-\$.did.	DERWENT	OR	OFF	2009/12/14 13:23
S14	5	("1323459"   "3605188").PN. OR ("6257839").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/14 13:40
S15	1	"11992086"	US-PGPUB	OR	OFF	2009/12/14 13:54
S16	113	(418/21).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/14 14:05
S17	1	"20020044876".pn.	US-PGPUB; USPAT	OR	OFF	2010/06/08 11:47
S18	113	(418/28).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/08 12:00
S19	91	(418/194).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/08 19:34
S21	873	((418/201.1) or (418/201.3)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/09 10:36
S22	413	(418/9).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/09 12:38
S23	645	((418/131) or (418/132)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/09 13:58
S24	338	((417/359) or (417/361)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/09 14:47
S25	253	(417/365).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/09 15:45
S26	22	bearing adj2 inside adj2 piston	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/09 16:08
S27	5	(axial adj2 load) with (screw adj2 rotor\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/09 16:32
S28	22	(lead adj2 screw) with (stepper adj2 motor) with sensor	USPAT	OR	OFF	2010/06/09 19:56

S30	1	S28 and hall	USPAT	OR	OFF	2010/06/09 20:13
S31	17	(lead adj2 screw) with (stepper adj2 motor) with speed	USPAT	OR	OFF	2010/06/09 20:18
S32	4	(lead adj2 screw) and (stepper adj2 motor with s with curve)	USPAT	OR	OFF	2010/06/09 21:08
S33	0	(stepper adj2 motor) with s with curve with speed with sensor	USPAT	OR	OFF	2010/06/09 21:11
S34	0	(stepper adj2 motor) with s with curve with speed	USPAT	OR	OFF	2010/06/09 21:11
S35	0	(stepper adj2 motor) same (s adj2 curve) same (speed adj2 sens \$3)	USPAT	OR	OFF	2010/06/09 21:12
S36	1	(stepper adj2 motor) same (s adj2 curve) same sens\$3	USPAT	OR	OFF	2010/06/09 21:13
S37	2	(stepper adj2 motor) same (s adj2 curve) same (speed or rate)	USPAT	OR	OFF	2010/06/09 21:13
S38	4	(stepper adj2 motor) same (s adj2 curve)	USPAT	OR	OFF	2010/06/09 21:14
S40	3	("3952238" or "5086319" or "4648026").pn.	USPAT	OR	OFF	2010/06/09 21:20
S42	22	(stepper adj2 motor) with (hall adj2 sensor)	USPAT	OR	OFF	2010/06/09 21:42
S44	1	S42 and (lead near2 screw)	USPAT	OR	OFF	2010/06/09 21:43
S45	1	(stepper adj2 motor) with sequentially with (increase or decrease)	USPAT	OR	OFF	2010/06/10 11:14
S46	7	(stepper adj2 motor) with sequentially with (reverse\$1)	USPAT	OR	OFF	2010/06/10 11:17
S47	1	"20020197164".pn.	US-PGPUB; USPAT	OR	OFF	2010/06/10 17:40
S48	15	(hall near2 sensor) with (detects near2 speed)	USPAT	OR	OFF	2010/06/10 18:36
S49	1368	(compressor near2 unloading)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 08:15
S50	134356	((("417") or ("418")) CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 08:16

S51	814	S49 and S50	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 08:16
S52	286	S51 and bearing\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 08:16
S53	39	(bearing near2 assembly) with inside with piston	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:02
S54	2	(lead adj2 screw) with (moves near2 piston) with bearing\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:06
S55	2	(lead adj2 screw) with common with (bearing \$1 near2 housing)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:08
S57	29	(axially adj2 movable) near2 (bearing\$1 adj2 assembly)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:10
S58	15	(axially adj2 movable) near2 (bearing\$1 adj2 block)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:16
S59	12	((axially adj2 movable) near2 bearing\$1) same (lead near2 screw \$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:23
S60	230	(384/253).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:32
S61	108	(384/229).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:44
S62	7	(parallel adj2 shaft\$1) with (common adj2 bearing\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 09:48
S63	118	(418/193).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:01
S64	139	(384/249).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:04
S65	178	(384/264).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:32
S66	0	(lead near2 screw) with adjusts with axial with position with intermeshing	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:41
S67	0	(lead near2 screw) with adjusts with axial with position with rotors	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:41
S68	0	(lead near2 screw) with adjusts with axial with position with shaft \$1	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:41

S70	8	(lead near2 screw) with axial with position with shafts	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:42
S71	14	(lead near2 screw) with (bearing\$1 near2 box)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 10:45
S72	360	((384/252) or (384/256)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 11:06
S74	21	backlash near2 shaft near2 bearing	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 11:30
S75	198	(384/519).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 14:22
S76	1	("1141201").URPN.	USPAT	OR	OFF	2011/01/20 14:26
S77	105	(axially near2 movable) with (gear near2 pump\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 14:42
S78	14	("1223734"   "3110265"   "3275226"   "4119392"   "4282718"   "4497185"   "4512302"   "4748831"   "5653585").PN. OR ("6003324").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/20 14:44
S79	1	("3296977").URPN.	USPAT	OR	OFF	2011/01/20 15:30
S80	28	(axially near2 movable) with gear with (lead near2 screw)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/21 18:30
S81	0	(moves near2 gear) with (lead near2 screw) with bearing\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/21 18:36
S82	38	(lead near2 screw) with (bearing\$1 near2 gear)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/21 18:36
S84	2	(lead near2 screw) with (moves near2 bearings)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/21 18:42
S85	0	parallel with shafts with common with bearing with lead with screw	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/21 21:50

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